Summary of Estimated Hours and Expenses
Highway 70 - Haskell Lake Area Porewater/Groundwater Investigation and Ongoing Project Support

Weston Solutions, Inc. September 2015

Task Subtotals								Expenses		Admin \$80.00	H&S/Chemist \$130.00	GIS/CAD Operator \$75.00	Project Geo/Eng \$95.00	Project Manager/Senior Project Hydrogeologist \$160.00	Personnel and Billing R	Resources		
78		Contingency		Analytical Laboratory (fixed price)	Travel Expenses	Copy/Binding	GIS/CAD Usage	Field Eqpt/Sample Supplies/Shipping		ω	<b>N</b>	N	<b>6</b> 6	00	Hours	Lake Sediment Pore Water Sampling and Reporting	Task 1	
\$11,700.00		\$500.00		\$1,100.00	\$1,300.00	\$0.00	\$50.00	\$550.00		\$240.00	\$260.00	<b>\$</b> 150.00	\$6,270.00	\$1,280.00	Cost	re Water sporting		1st Mobilization
64		\$500.00 Contingency	Drilling Subcontractor	Analytical Laboratory \$1,100.00 (fixed price)	\$1,300.00 Travel Expenses	\$0.00 Copy/Binding	\$50.00 GIS/CAD Usage	Field Eqpt/Sample \$550.00 Supplies/Shipping		5	2	œ	42	12	Hours	Vertical Aquifer Sampling	Task 2	Ilization
\$11,620.00		\$500.00	\$2,000.00	\$1,050.00	\$350.00	\$100.00	\$150.00	\$300.00		\$400.00	\$260.00	\$600.00	\$3,990.00	\$1,920.00	Cost	ampling		
ನ		\$500.00 Contingency		Analytical Laboratory \$1,050.00 (fixed price)	\$350.00 Travel Expenses	\$100.00 Copy/Binding	\$150.00 GIS/CAD Usage	Field Eqpt/Sample \$300.00 Supplies/Shipping	and the second s	2	0	0	ò	N	Hours	Background Well Sampling and Reporting	Task 3	
\$3,205.00		\$500.00		\$600.00	\$275.00	\$0.00	\$0.00	\$400.00		\$160.00	\$0.00	\$0.00	\$950.00	\$320.00	Cost	mpling and		2nd Mo
82		\$500.00 Contingency	Drilling Subcontractor	Analytical Laboratory (fixed price)	\$275.00 Travel Expenses	\$0.00 Copy/Binding	\$0.00 GIS/CAD Usage	Field Eqpt/Sample \$400.00 Supplies/Shipping		-	N		55 66	Ď	Hours	Monitor Well Nest Installation and Sampling	Taska	2nd Mobilization
\$17,510.00		\$500,00	\$6,800.00	\$600.00	\$700.00	\$100.00	\$150.00	\$400.00		\$320.00	\$260.00	\$600.00	\$5,320.00	\$2,560.00	/ Cost	allation and	\	
38		\$500,00 Contingency			\$700.00 Travel Expenses	\$100.00 Copy/Binding	\$150.00 GIS/CAD Usage	\$400.00 Fleid Eqpt		4	N	œ	œ	20	Hours	Ongoing Project Support	Task 5	
\$5,540.00		\$0.00	TEXASCULAR PARTY OF THE PARTY O		\$0.00	\$200.00	\$200.00	\$0.00		\$320.00	\$260.00	\$600.00	\$760.00	\$3,200.00	Cost	t Support		
/274	\	\$0.00 Contingency	Drilling Subcontractor	Analytical Laboratory (fixed price)	\$0.00 Travel Expenses	\$200.00 Copy/Binding	\$200.00 GIS/CAD Usage	\$0.00 Field Eqpt	Labor Subtotal:	18	œ	26	182	58	Hours	TOTAL		
\$49,575.00	TOTAL	\$2,000.00	tor \$8,000.00	\$3,350.00	\$2,625.00	\$400.00	\$550.00	\$1,650.00	: \$31,000.00	\$1,440.00	\$1,040.00	\$1,950.00	\$17,290.00	\$9,280.00	Cost	À		

## sumptions:

Task 1: 6 surface water samples from Haskell Lake and 2 surface water samples from the unnamed pond. Water temperature survey to locate samples. 2 field days plus travel; secon egyfred for water work safety; also assumes Tribe representative. Surface waters collected while wading (no boat). All samples for PVOCs, Sulfate & Suifide QA/QC sample costs have been added.

Task 2: 1 VAS boring to approximately 55 ft bgs 5-foot sample intervals. Field work to be conducted during the porewater sampling mobilization. 1 scientist 1 field day plus travel home. All samples analyzed for PVOCs only. QA/QC sample costs have been added. Tables, Maps, Interpretations prepared upon Mob 1 data receipt for well nest planning

Task 4: At a location to be determined, install a 3-well nest using 4.25" hollow stem augers and blind drilling methods. Drill cuttings and development water to be containerized in 55 gal drums for subsequent disposal by the Tribe. Purge and sample the 3 wells for PVOCs, Sulfate&Sulfide during 3rd field day. 1 geologist 2 drilling days 1/2 sampling day, plus travel home. Tables, Maps, and summary of interpretations presented in Letter Report. Task 3: 3 monitor well samples (TBA wells) Field work to be conducted concurrent with the well nest sampling. Field parameters to be measured include pH, Sp. Cond., Temp, and ORP. All samples analyzed for PVOCs, Sulfate&Sulfide. QA/QC sample costs have been added. 1/2 field day 1 geologist plus travel to site.

Task 5: SOW includes 2 teleconferences, email updates, assimilating tables & figures, progress reports, field documentation, laboratory documentation, and review of other agency reports.



## **Ongoing Environmental Support**

WESTON understands that separate environmental characterizations are planned by the United States Environmental Protection Agency (EPA) and a consultant for a potentially responsible party under the auspices of Wisconsin's Petroleum Environmental Cleanup Fund Award (PECFA). Per our recent discussions, WESTON will continue to provide the Tribe with environmental services during and after the execution of these other activities. Anticipated tasks include planning document and report reviews, the assimilation of various physical and chemical findings into common tables and maps, progress reporting, risk assessment support, and feasibility study services.

## **Project Schedule**

Pending your concurrence with this SOW and cost estimate, along with authorization to proceed, WESTON can complete the described project tasks in general accordance with the following schedule, assuming contract execution by 14 September 2015:

Project Task	Estimated Timeframe
Project Set-up/Subcontracting/Planning/Preparation	14 – 18 September 2015
Field Work; 1 <sup>st</sup> Mobilization	21 – 23 September 2015
Laboratory Analyses	24 September - 8 October 2015
Data Reduction/Interpretation/Email Summary of Findings	9 – 15 October 2015
Field Work; 2 <sup>nd</sup> Mobilization	2 – 4 November 2015
Laboratory Analyses	5 – 19 November 2015
Data Reduction/Interpretation/Email Summary of Findings	20 – 30 November 2015
Ongoing Support	Pending EPA/PECFA Tasks

## Cost Estimate

The estimated costs for the described SOW are presented in the attached **Table 1**. The project cost will not exceed the ESTIMATED COST without the client's prior written consent. The ESTIMATED COST is an estimated maximum that WESTON fully believes will cover the services herein described, but no guarantee is made or implied. WESTON strives to incorporate sustainable practices into every aspect of our work, from our offices to our project sites. To reduce costs and provide a more sustainable approach for this project, WESTON will provide: 1) Electronic versus paper record retention, work products and deliverables; and, 2) Utilize fuel efficient field vehicles to reduce fuel costs (and emissions).